



บริษัท วนาดอล จำกัด
WANADOL CO., LTD.

2/25 ถนนวิเศษวนาราม แขวงดอนเมือง เขตดอนเมือง กรุงเทพฯ 10210 โทร.02-565-4406 แฟกซ์.02-000-2060
Email: wanadol_eng@hotmail.com Tax ID: No: 0105539005936

ANALYSIS REPORT

R. 0052/ 2024

January 15, 2024

Customer Name

VIC3 Bangkok

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

January 5, 2024 / 12 : 20 pm. – 12 : 30 pm.

Testing Date

January 5 – 11, 2024.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. ๖.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH at 25 °C	-	7.15	7.25	5.5 - 9.0
2. BOD at 20 °C	-	51.5	13.2	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	38.0	15.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	526	390	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	70.0	18.0	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	60.2	2.80	1.00	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H ₂ S)	-	1.0	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	8.3*10 ³	3.5*10 ³	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	2.1*10 ³	7.0*10 ²	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23rd Edition 2017, part 4500-H+B
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23rd Edition 2017, part 5210B and part 4500-O C
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23rd Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

N Sookchai

(Ms.Noochnapa Sookchai)

Registration No. 100-48-00191



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ANALYSIS REPORT

R. 0378/ 2024

February 22, 2024

Customer Name

VIC3 Bangkok

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

February 12, 2024 / 14 : 30 pm. – 14 : 40 pm.

Testing Date

February 13 – 19, 2024.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 1029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH at 25 °C	-	7.10	7.30	5.5 - 9.0
2. BOD at 20 °C	-	44.7	12.7	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	36.0	18.5	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	521	384	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	44.0	14.0	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	55.0	2.68	1.05	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H ₂ S)	-	1.0	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	7.2*10 ³	3.3*10 ³	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	3.3*10 ³	6.2*10 ²	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23rd Edition 2017, part 4500-H+B
WTM43 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23rd Edition 2017, part 5210B and part 4500-O C
WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23rd Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

N. Sookchai

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ANALYSIS REPORT

R. 0626/ 2024

March 15, 2024

Customer Name

VIC3 Bangkok

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

March 5, 2024 / 10 : 00 pm. – 10 : 10 pm.

Testing Date

March 6 – 12, 2024.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 1.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH at 25 °C	-	7.07	7.40	5.5 - 9.0
2. BOD at 20 °C	-	40.9	10.5	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	35.5	8.80	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	533	377	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	42.6	12.6	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	38.0	1.95	0.90	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H ₂ S)	-	1.0	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	6.7*10 ³	3.5*10 ³	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	2.2*10 ³	5.8*10 ²	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005) published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

Remark : WTM03 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23rd Edition 2017, part 4500-H+B
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WTM01 ; Standards Method for the Examination of water and Wastewater, APHA, AWWA, WEF 23rd Edition 2017, part 2540 D

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

N Sookchai

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ANALYSIS REPORT

R. 0996/ 2024

April 26, 2024

Customer Name

VIC3 Bangkok

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

April 17, 2024 / 12 : 50 pm. – 13 : 00 pm.

Testing Date

April 18 – 24, 2024.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. ๓.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH at 25 °C	-	7.20	7.30	5.5 - 9.0
2. BOD at 20 °C	-	41.4	9.50	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	33.0	7.70	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	560	405	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	48.0	13.0	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	55.0	2.00	0.80	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H ₂ S)	-	0.970	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	6.41*10 ³	3.7*10 ³	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	3.1*10 ³	6.2*10 ²	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005)
published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

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ANALYSIS REPORT

R. 1207/ 2024

May 17, 2024

Customer Name

VIC3 Bangkok

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

May 8, 2024 / 14 : 40 pm. – 14 : 50 pm.

Testing Date

May 9 – 15, 2024.

Sampling By

Wanadol 's Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 1.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH at 25 °C	-	7.10	7.30	5.5 - 9.0
2. BOD at 20 °C	-	44.0	9.60	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	36.0	10.5	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	510	386	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	38.8	12.0	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	85.0	1.88	1.05	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H ₂ S)	-	1.0	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	6.1*10 ³	3.7*10 ³	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	2.7*10 ³	6.2*10 ²	1,000 MPN / 100ml
Sample Condition	White turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005)
published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

N Sookchai

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ANALYSIS REPORT

R. 1533/ 2024

June 17, 2024

Customer Name

VIC3 Bangkok

89 Phahol Yothin Soi 3, Phaya Thai, Bangkok 10400

Samples Name

Grease Trap , EQ-Tank And Effluent

Sampling Date / Time

June 6, 2024 / 14 : 30 pm. – 14 : 45 pm.

Testing Date

June 7 – 13 2024.

Sampling By

Wanadol ' s Officer. Registration No. 100-48-0019

Analysis By

Environment And Laboratory Co. , Ltd. Registration No. 3.029

Sampling Method

Grab

Characteristics	Grease Trap	EQ-Tank	Effluent	Maximum Allowable Concentration*
1. pH at 25 °C	-	7.10	7.25	5.5 - 9.0
2. BOD at 20 °C	-	61.6	13.7	≤ 30 mg./ L.
3. Suspended Solids (SS)	-	35.5	15.0	≤ 40 mg./ L.
4. Total Dissolved Solids (TDS)	-	523	406	≤ 500 mg./ L.
5. Total Nitrogen (TKN)	-	40.2	14.4	≤ 35 mg./ L.
6. Fat, Oil And Grease (FOG)	114	2.20	1.80	≤ 20 mg./ L.
7. Settleable Solids	-	0.5	< 0.5	≤ 0.5 ml./ L.
8. Sulfide (H ₂ S)	-	1.04	< 1.0	≤ 1.0 mg./ L.
9. Total Plate Count (TPC)	-	5.8*10 ³	4.4*10 ³	5,000 MPN / 100ml
10. Fecal Coliform Bacteria (FCB)	-	4.1*10 ³	7.3*10 ²	1,000 MPN / 100ml
Sample Condition	Gray turbid	Rather clear	Rather clear	-

Standards : Notification of the Ministry of Natural Resources and Environment : Building Effluents Standards dated November 07, B.E. 2548 (2005)
published in the Royal Government Gazette, Vol. 122 Part 125 D, dated December 29, B.E. 2548(2005)

The Effluent From Wastewater Treatment Plant Of "VIC3 Bangkok" Met The Effluent Standards Of Type B.

N. Sookchai

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